DOCUMENT RESUME

ED 258 678 JC 850 393

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TITLE Classroom Utilization Review. Research Monograph III [and] Classroom Utilization Comparing Spring 1984 to Spring 1985. Research Monograph VII.
INSTITUTION Oklahoma City Community Coll., OK.
PUB DATE Apr 85
NOTE 11p.
PUB TYPE Reports - Research/Technical (143)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS *Classrooms; Community Colleges; *Educational Facilities; Facility Utilization Research; School Surveys; *Space Utilization; Two Year Colleges; *Two Year College Students

ABSTRACT

Studies were conducted to analyze classroom utilization at Oklahoma City Community College for spring and fall, 1984, and spring, 1985. During all three semesters, there were 68 general purpose classroom areas, although some of the lab areas had classes scheduled in them. Study findings revealed: (1) heaviest classroom usage was between 5:30 p.m. to 8:00 p.m. on Monday through Thursday; (2) in fall 1984, there was particularly heavy usage on Monday evenings with over 100% of the classrooms full (i.e., lab areas were also in use as classrooms); (3) afternoons had the lowest usage, especially on Fridays and from 3:00 p.m. to 5:30 p.m.; (4) mornings after 9:00 a.m. showed fairly good utilization with 50% of the available classrooms in use; (5) the building was more heavily used in spring 1985 than in spring 1984. (AYC)

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CLASSROOM UTILIZATION REVIEW

RESEARCH MONOGRAPH III

CLASSROOM UTILIZATION COMPARING

SPRING 1984 TO SPRING 1985

RESEARCH MONOGRAPH VII

Prepared by

Annmarie Shirazi
Research Office

OKLAHOMA CITY COMMUNITY COLLEGE

APRIL 1985

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CLASSROOM UTILIZATION REVIEW

RESEARCH MONOGRAPH III

Prepared by

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October 1984

Spring and Fall semesters of 1984 were looked at each half-hour in an attempt to see what the utilization rate of the building has been for the last couple of semesters. Both semesters, there were 68 general purpose classroom areas. In the Spring, there were 39 lab areas and in the Fall 35; a number of these lab areas have classes scheduled in them. This is why there is over 100% usage at times in the early evening hours. The percentages in Tables I and II are based on 68 classrooms. Table I has information from entries 4 and 5 in the Spring of 1984 and Table II has information from entries 2 and 3 in the Fall of 1984.

Looking at both tables, it can be seen the heaviest usage is from 5:30 p.m. to 8:00 p.m. on Monday through Thursday. It appears that in the Fall there is particularly heavy usage on Monday evening with over 100% full from 5:30 p.m. to 8:00 p.m. The Spring on the other hand had over 100% utilization on Tuesdays and Thursdays. The afternoons in both semesters have the lowest usage especially Fridays and from 3:30 p.m. to 5:30 p.m. The mornings on the other hand particularly after 9:00 a.m. have fairly good utilization with 50% of the available classrooms being used. The Saturday classes have a pattern similar to other mornings and afternoons. In the Spring, all the Saturday classes on-campus were cancelled.

In summary, the college is no different than most other two-year commuter colleges. The buildings are fully utilized in the early evening hours but not even close to capacity at other times during the day. Due to this situation, there is little expansion which can be done in the number of evening classes offered which appears to be the most productive time to offer classes. Options

need to be explored which will allow for evening expansion without adding to the vacant classroom space in the daytime.

TABLE I

Classroom Utilization Spring 1984

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT
8:00	18 / 26.5%	16 / 23.5%	18 / 26.5%	16 / 23.5%	17 / 25 %	
8:30	18 / 26.5%	16 / 23.5%	18 / 26.5%	19 / 27.9%	18 / 26.5%	
9:00	33 / 48.5%	21 / 30.9%	35 / 51.5%	22 / 32.4%	31 / 45.6%	
9:30	34 / 50 %	43 / 63.2%	35 / 51.5%	45 / 66.2%	28 / 41.2%	
10:00	41 / 60.3%	46 / 67.6%	47 / 69.1%	49 / 72.1%	39 / 57.4%	
10:30	40 / 58.8%	43 / 63.2%	43 / 63.2%	47 / 69.1%	40 / 58.8%	
11:00	35 / 51.5%	37 / 54.4%	40 / 58.8%	40 / 58.8%	30 / 44.1%	
11:30	32 / 47.1%	36 / 52.9%	36 / 52.9%	39 / 57.4%	28 / 41.2%	
12:00	10 / 14.7%	29 / 42.6%	14 / 20.6%	31 / 45.6%	9 / 13.2%	
12:30	9 / 13.2%	1 / 1.5%	12 / 17.6%	3 / 4.4%	8 / 11.8%	
1:00	16 / 23.5%	1 / 1.5%	17 / 25 %	4 / 5.9%	6 / 8.8%	
1:30	18 / 26.5%	17 / 25 %	18 / 26.5%	16 / 23.5%	5 / 7.4%	
2:00	18 / 26.5%	18 / 26.5%	18 / 26.5%	15 / 22.1%	5 / 7.4%	
2:30	14 / 20.6%	18 / 26.5%	15 / 22.1%	15 / 22.1%	5 / 7.4%	
3:00	10 / 14.7%	14 / 20.6%	12 / 17.6%	12 / 17.6%	2 / 2.9%	
3:30	7 / 10.3%	10 / 14.7%	8 / 11.8%	10 / 14.7%	2 / 2.9%	
4:00	6 / 8.8%	6 / 8.8%	6 / 8.8%	8 / 11.8%	1 / 1.5%	
4:30	2 / 2.9%	2 / 2.9%	2 / 2.9%	3 / 4.4%		
5:00	2 / 2.9%	2 / 2.9%	3 / 4.4%	3 / 4.4%		
5:30	59 / 86.8%	63 / 92.6%	61 / 89.7%	61 / 89/7%		
6:00	67 / 98.5%	68 /100 %	64 / 94.1%	69 /101.5%		
6:30	67 / 98.5%	70 /102.9%	63 / 92.6%	69 /101.5%		
7:00	68 /100 %	70 /102.9%	68 /100 %	68 /100 %		
7:30	63 / 92.6%	60 / 88.2%	63 / 92.6%	64 / 94.1%		
8:00	41 / 60.3%	37 / 54.4%	42 / 61.8%	42 / 61.8%		
8:30	39 / 57.3%	37 / 54.4%	40 / 58.8%	40 / 58.8%		
9:00	39 / 57.3%	35 / 51.5%	41 / 60.3%	38 / 55.9%		
9:30	33 / 48.5%	31 / 45.6%	35 / 51.5%	33 / 48.5%		
10:00	22 / 32.4%	22 / 32.4%	25 / 36.8%	24 / 35.3%		
10:30						

% are based on 68 classrooms. There are 39 lab areas, five of which can be used for classrooms.

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TABLE II

Classroom Utilization Fall 1984

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00	8 / 11.8%	16 / 23.5%	11 / 16.2%	17 / 25 %	8 / 11.8%	4 / 5.9%
8:30	12 / 17.6%	20 / 29.4%	13 / 19.1%	20 / 29.4%	10 / 14.7%	20 / 29.4%
9:00	38 / 55.9%	25 / 36.8%	37 / 54.4%	23 / 33.8%	32 / 47.1%	24 / 35.3%
9:30	38 / 55.9%	53 / 77.9%	37 / 54.4%	51 / 75 %	30 / 44.1%	24 / 35.3%
10:00	47 / 69.1%	54 / 79.4%	47 / 69.1%	53 / 77.9%	37 / 54.4%	25 / 36.8%
10:30	45 / 66.2%	51 / 75 %	46 / 67.6%	52 / 76.5%	37 / 54.4%	24 / 35.3%
11:00	33 / 48.5%	46 / 67.6%	32 / 47.1%	46 / 67.6%	25 / 36.8%	15 / 22.1%
11:30	32 / 47.1%	44 / 64.7%	33 / 48.5%	41 / 60.3%	23 / 33.8%	16 / 23.5%
12:00	12 / 17.6%	40 / 58.8%	12 / 17.6%	39 / 57.4%	5 / 7.4%	15 / 22.1%
12:30	9 / 13.2%	4 / 5.9%	8 / 11.8%	3 / 4.4%	6 / 8.8%	11 / 16.2%
1:00	17 / 25 %	5 / 7.4%	15 / 22.1%	4 / 5.9%	5 / 7.4%	10 / 14.7%
1:30	17 / 25 %	19 / 27.9%	15 / 22.1%	16 / 23.5%	5 / 7.4%	6 / 8.8%
2:00	17 / 25 %	21 / 30.9%	16 / 23.5%	18 / 26.5%	5 / 7.4%	6 / 8.8%
2:30	14 / 20.6%	21 / 30.9%	14 / 20.6%	18 / 26.5%	5 / 7.4%	6 / 8.8%
3:00	13 / 19.1%	17 / 25 %	12 / 17.6%	15 / 22.1%	4 / 5.9%	3 / 4.4%
3:30	10 / 14.7%	13 / 19.1%	10 / 14.7%	13 / 19.1%	3 / 4.4%	2 / 2.9%
4:00	9 / 13.2%	10 / 14.7%	6 / 8.8%	9 / 13.2%	3 / 4.4%	1 / 1.5%
4:30	6 / 8.8%	9 / 13.2%	4 / 5.9%	8 / 11.8%	2 / 2.9%	1 / 1.5%
5:00	5 / 7.4%	4 / 5.9%	5 / 7.4%	1 / 1.5%	1 / 1.5%	1 / 1.5%
5:30	72 /105.9%	66 / 97.1%	64 / 94.1%	61 / 89.7%	1 / 1.5%	
6:00	78 /114.7%	68 /100 %	68 /100 %	59 / 86.8%	1 / 1.5%	
6:30	76 /111.8%	67 / 98.5%	67 / 98.5%	64 / 94.1%	1 / 1.5%	
7:00	76 /111.8%	67 / 98.5%	65 / 95.6%	65 / 95.6%	1 / 1.5%	
7:30	74 /108.8%	64 / 94.1%	63 / 92.6%	61 / 89.7%	1 / 1.5%	
8:00	45 / 66.2%	40 / 58.8%	34 / 50 %	36 / 52.9%	1 / 1.5%	
8:30	45 / 66.2%	40 / 58.8%	34 / 50 %	36 / 52.9%	1 / 1.5%	
9:00	39 / 57.4%	39 / 57.4%	38 / 55.9%	34 / 50 %	1 / 1.5%	
9:30	34 / 50 %	37 / 54.4%	33 / 48.5%	31 / 45.6%	1 / 1.5%	
10:00	23 / 33.8%	26 / 38.2%	24 / 35.3%	18 / 26.5%	1 / 1.5%	
10:30						

% based on 68 classrooms. There are 35 lab areas, 7 of which can be used as classrooms

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CLASSROOM UTILIZATION COMPARING SPRING 1984 to SPRING 1985

RESEARCH MONOGRAPH VII

Prepared by

Annmarie Shirazi
Research Office

April 1985

The utilization of classrooms for the last two spring semesters is contained in Tables I and II. Comparing the utilization of the building during these two semesters shows some definite differences between the two. The percentages for both semesters are based on the same number of classrooms and labs. The use of labs as classrooms is the reason for the usage being over 100% at times.

Looking at both tables, it can be seen that the heaviest usage is from 5:30 p.m. to 8:00 p.m. on Monday through Thursday. Usage appears to be heavier in the spring of 1985 than in 1984 during the evening hours. Mondays and Tuesdays this spring have the heaviest use while Tuesdays and Thursdays were heaviest in the spring of 1984. The afternoons are not used a good portion of the time but it appears to be a little heavier this spring than last. The early morning hours showed a decrease in usage this spring compared to last spring but later morning hours showed a heavier usage.

In summary, overall it appears that the building is being used more heavily this spring than last and this increased usage is more than what could be expected from the 2.9% increase in students experienced this spring.

TABLE I

Classroom Utilization Spring 1984

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT.
8:00	18 / 26.5%	16 / 23.5%	18 / 26.5%	16 / 23.5%	17 / 25 %	
8:30	18 / 26.5%	16 / 23.5%	18 / 26.5%	19 / 27.9%	18 / 26.5%	
9:00	33 / 48.5%	21 / 30.9%	35 / 51.5%	22 / 32.4%	31 / 45.6%	
9:30	34 / 50 %	43 / 63.2%	35 / 51.5%	45 / 66.2%	28 / 41.2%	
10:00	41 / 60.3%	46 / 67.6%	47 / 69.1%	49 / 72.1%	39 / 57.4%	
10:30	40 / 58.8%	43 / 63.2%	43 / 63.2%	47 / 69.1%	40 / 58.8%	
11:00	35 / 51.5%	37 / 54.4%	40 / 58.8%	40 / 58.8%	30 / 44.1%	
11:30	32 / 47.1%	36 / 52.9%	36 / 52.9%	39 / 57.4%	28 / 41.2%	
12:00	10 / 14.7%	29 / 42.6%	14 / 20.6%	31 / 45.6%	9 / 13.2%	
12:30	9 / 13.2%	1 / 1.5%	12 / 17.6%	3 / 4.4%	8 / 11.8%	
1:00	16 / 23.5%	1 / 1.5%	17 / 25 %	4 / 5.9%	6 / 8.8%	
1:30	18 / 26.5%	17 / 25 %	18 / 26.5%	16 / 23.5%	5 / 7.4%	
2:00	18 / 26.5%	18 / 26.5%	18 / 26.5%	15 / 22.1%	5 / 7.4%	
2:30	14 / 20.6%	18 / 26.5%	15 / 22.1%	15 / 22.1%	5 / 7.4%	
3:00	10 / 14.7%	14 / 20.6%	12 / 17.6%	12 / 17.6%	2 / 2.9%	
3:30	7 / 10.3%	10 / 14.7%	8 / 11.8%	10 / 14.7%	2 / 2.9%	
4:00	6 / 8.8%	6 / 8.8%	6 / 8.8%	8 / 11.8%	1 / 1.5%	
4:30	2 / 2.9%	2 / 2.9%	2 / 2.9%	3 / 4.4%		
5:00	2 / 2.9%	2 / 2.9%	3 / 4.4%	3 / 4.4%		
5:30	59 / 86.8%	63 / 92.6%	61 / 89.7%	61 / 89/7%		
6:00	67 / 98.5%	68 /100 %	64 / 94.1%	69 /101.5%		
6:30	67 / 98.5%	70 /102.9%	63 / 92.6%	69 /101.5%		
7:00	68 /100 %	70 /102.9%	68 /100 %	68 /100 %		
7:30	63 / 92.6%	60 / 88.2%	63 / 92.6%	64 / 94.1%		
8:00	41 / 60.3%	37 / 54.4%	42 / 61.8%	42 / 61.8%		
8:30	39 / 57.3%	37 / 54.4%	40 / 58.8%	40 / 58.8%		
9:00	39 / 57.3%	35 / 51.5%	41 / 60.3%	38 / 55.9%		
9:30	33 / 48.5%	31 / 45.6%	35 / 51.5%	33 / 48.5%		
10:00	22 / 32.4%	22 / 32.4%	25 / 36.8%	24 / 35.3%		
10:30						

% are based on 68 classrooms. There are 39 lab areas, five of which can be used for classrooms.

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TABLE II

Classroom Utilization - Spring 1985

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00	10 / 14.7%	12 / 17.6%	9 / 13.2%	11 / 16.2%	7 / 10.3%	4 / 5.9%
8:30	12 / 17.6%	15 / 22.1%	10 / 14.7%	13 / 19.1%	11 / 16.2%	25 / 36.8%
9:00	41 / 60.3%	17 / 25.0%	32 / 47.1%	16 / 23.5%	34 / 50.0%	24 / 35.3%
9:30	42 / 61.8%	49 / 72.1%	32 / 47.1%	50 / 73.5%	34 / 50.0%	24 / 35.3%
10:00	42 / 61.8%	51 / 75.0%	35 / 51.5%	49 / 72.1%	37 / 54.4%	25 / 36.8%
10:30	42 / 61.8%	50 / 73.5%	35 / 51.5%	49 / 72.1%	37 / 54.4%	25 / 36.8%
11:00	33 / 48.5%	38 / 55.9%	29 / 42.6%	47 / 69.1%	29 / 42.6%	15 / 22.1%
11:30	32 / 47.1%	46 / 67.6%	29 / 42.6%	45 / 66.2%	28 / 41.2%	14 / 20.6%
12:00	15 / 22.1%	42 / 61.8%	13 / 19.1%	39 / 57.4%	10 / 14.7%	15 / 22.1%
12:30	13 / 19.1%	6 / 8.8%	12 / 17.6%	6 / 8.8%	9 / 13.2%	13 / 19.1%
1:00	25 / 36.8%	8 / 11.8%	17 / 25.0%	7 / 10.3%	8 / 11.8%	12 / 17.6%
1:30	25 / 36.8%	16 / 23.5%	16 / 23.5%	14 / 20.6%	8 / 11.8%	7 / 10.3%
2:00	22 / 32.4%	17 / 25.0%	14 / 20.6%	14 / 20.6%	7 / 10.3%	6 / 8.8%
2:30	19 / 27.9%	18 / 26.5%	13 / 19.1%	18 / 26.5%	7 / 10.3%	6 / 8.8%
3:00	16 / 23.5%	14 / 20.6%	11 / 16.2%	12 / 17.6%	8 / 11.8%	4 / 5.9%
3:30	11 / 16.2%	11 / 16.2%	11 / 16.2%	11 / 16.2%	7 / 10.3%	4 / 5.9%
4:00	12 / 17.6%	13 / 19.1%	10 / 14.7%	11 / 16.2%	6 / 8.8%	4 / 5.9%
4:30	6 / 8.8%	10 / 14.7%	6 / 8.8%	7 / 10.3%	1 / 1.5%	1 / 1.5%
5:00	5 / 7.4%	5 / 7.4%	5 / 7.4%	3 / 4.4%	1 / 1.5%	
5:30	68 /100 %	65 / 95.6%	56 / 82.4%	59 / 86.8%	1 / 1.5%	
6:00	74 /108.8%	69 /101.5%	60 / 88.2%	66 / 97.1%	1 / 1.5%	
6:30	74 /108.8%	68 /100 %	58 / 85.3%	66 / 97.1%	1 / 1.5%	
7:00	75 /110.3%	68 /100 %	58 / 85.3%	66 / 97.1%	1 / 1.5%	
7:30	72 /105.9%	67 / 98.5%	57 / 83.8%	62 / 91.2%	1 / 1.5%	
8:00	54 / 79.4%	45 / 66.2%	38 / 55.9%	39 / 57.4%	1 / 1.5%	
8:30	52 / 76.5%	44 / 64.7%	37 / 54.4%	38 / 55.9%	1 / 1.5%	
9:00	47 / 69.1%	36 / 52.9%	33 / 48.5%	35 / 51.5%	1 / 1.5%	
9:30	43 / 63.2%	38 / 55.9%	28 / 41.2%	31 / 45.6%	1 / 1.5%	
10:00	32 / 47.1%	25 / 36.8%	24 / 35.3%	21 / 30.9%	0 / 0.0%	
10:30						

%Based on 68 classrooms. There are 35 lab areas, 7 of which can be used as classrooms.

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